CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

TRINITY COLLEGE.

1884-'85.

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1884.

Press of The Case, Lockwood & Brainard Company, Hartford, Conn.

TRINITY COLLEGE,

HARTFORD, CONNECTICUT.

This College was chartered by the State of Connecticut in 1823, and established in Hartford in consequence of the large subscriptions by the inhabitants of that city. Buildings were begun immediately and the first Commencement was held in 1827. In 1845 its name was changed from Washington to Trinity. In 1872, its campus was sold to the city of Hartford, as a site for the Capitol, and a new campus containing eighty acres was purchased on an eminence just inside the city limits. In 1875 buildings were commenced and in 1878 the College was moved to its new quarters. In 1883 an additional dormitory was completed, which is called Northam Hall in honor of the late Col. Northam, who gave the funds for its erection. Other buildings will be constructed as fast as funds may be provided. The Faculty consists of a President and nine Professors assisted by Lecturers and Instructors. Its courses of instruction and its requirements for admission are similar to those of the other ten associated Colleges of Southern New England.

Its location is healthful, and no more attractive city can be found than Hartford. Its standard of scholarship has always been high, and the attainments of its graduates will compare favorably with those of other Colleges. Copies of Examination papers, and of Catalogues, and information of every kind touching the Courses of Instruction, Scholarships, etc., can be obtained from the Secretary of the Faculty or from the President, the Rev. George Williamson Smith, S.T.D.

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COLLEGE CALENDAR.

1884.

Sept. 11. *Thursday.* Christmas Terms begins.
Nov. 1. *Saturday.* All Saints' Day.
" 21. *Friday.* English Literature Prize Examination.
" 22. *Saturday.* " " " "
" 27. *Thursday.* Thanksgiving Day.
Dec. 13. *Saturday.* Christmas Examinations.
" 15. *Monday.* " "
" 16. *Tuesday.* " "
" 17. *Wednesday.* " "
" 18. *Thursday.* " " Appointment of Toucey Scholar
Christmas Vacation begins.

1885.

Jan. 8. *Thursday.* Trinity Term begins.
Feb. 21. *Saturday.* Prize Version Appointments published. Oratorical Prize Contest.
Feb. 18. *Wednesday.* Ash-Wednesday.
March 3. *Tuesday.* Junior Standing published.
April 3. *Friday.* Good Friday.
" 17. *Friday.* Easter Recess begins.
" 27. *Monday.* Easter Recess ends. Tuttle Prize Essays handed in
" 29. *Wednesday.* Chemical Prize Essays handed in.
May 2. *Saturday.* Latin Prize Examination.
" 14. *Thursday.* Ascension-Day.
" 28. *Thursday.* Prize Version Declamations.
" 31. *Sunday.* Trinity-Sunday.
June 3. *Wednesday.* Senior Examinations.
" 4. *Thursday.* " "
" 5. *Friday.* " "
" 6. *Saturday.* " "
" 8. *Monday.* " "
" 9. *Tuesday.* " " Trinity Examinations.
" 10. *Wednesday.* " " " "

June 11. *Thursday.* Trinity Examinations.
" 12. *Friday.* " " Senior Standing published.
" 13. *Saturday.* " "
" 15. *Monday.* " "
" 16. *Tuesday.* " "
" 17. *Wednesday.* " "
" 18. *Thursday.* " "
" 19. *Friday.* Award of Prizes.
" 21. *Sunday.* Baccalaureate Sermon.
" 22. *Monday.* Examinations for Admission.
" 23. *Tuesday.* " " " Class-Day.
" 24. *Wednesday.* Annual Meeting of the Corporation and of the Alumni Association.
" 25. *Thursday.* Fifty-ninth Commencement. Trinity Vacation begins.

Sept. 15. *Tuesday.* Examinations for Admission.
" 16. *Wednesday.* " " "
" 17. *Thursday.* Christmas Term begins.

In 1885–'86 the Christmas Vacation will be two weeks in length.

The stated meetings of the Faculty are held every Friday morning at eleven o'clock.

The office of the PRESIDENT is at . . . No. 13 Seabury Hall;
The office of the SECRETARY OF THE FACULTY, No. 21 Jarvis Hall;
The office of the TREASURER OF THE COLLEGE, No. 39 Pearl Street.

SENATUS ACADEMICUS.

VISITORS.

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The Rt. Rev. Thomas March Clark, D.D., LL.D.

The Rt. Rev. Henry Adams Neely, D.D.

The Rt. Rev. William H. A. Bissell, D.D.

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The Rt. Rev. Benjamin Henry Paddock, D.D.

The Rt. Rev. Henry Codman Potter, D.D., LL.D.

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FACULTY.

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and Hobart Professor of Metaphysics.
107 Elm Street.

The Rev. THOMAS R. PYNCHON, D.D., LL.D.,
Professor of Moral Philosophy.
90 Vernon Street.

The Rev. SAMUEL HART, M.A.,
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22 Jarvis Hall.

H. CARRINGTON BOLTON, PH.D.,
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181 Capitol Avenue.

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Professor of the Greek Language and Literature.
14 Seabury Hall.

L. M. CHEESMAN, PH.D.,
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21 Jarvis Hall.

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72 Vernon Street.

The Rev. HENRY FERGUSON, M.A.,
Northam Professor of History and Political Science.
1 Jarvis Hall.

CHARLES FREDERICK JOHNSON, B.A.,
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25 Capitol Avenue.

Professor of the Modern Languages.

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New York City.

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22 Jarvis Hall.

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956 Asylum Ave.

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Boston.

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Lecturer on the Science of Administration.
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ABBREVIATIONS.

S. H.,	Seabury Hall.
J. H.,	Jarvis Hall.
S.,	Course in Science.
L. S.,	Course in Letters and Science.
SP.,	Special Students.

COURSES OF INSTRUCTION.

The College offers four Courses of Instruction according to the synopses on the following pages, viz.:

I. A Course in Arts.
II. A Course in Letters and Science.
III. A Course in Science.
IV. A Course in Letters.

These courses extend over four years with the exception of the Course in Science, which begins with the Sophomore Year.

Students completing the Course in Arts will receive the degree of Bachelor of Arts. Students completing the Course in Letters and Science, or the Course in Science, will receive the degree of Bachelor of Science.

The Corporation has under consideration the degree which shall be granted to those students completing the Course in Letters.

The Statutes provide that students who do not propose to attend the whole course of instruction may be permitted, under the name of Students in Special Courses, to recite with the regular classes in such studies, as, upon examination, they shall be found qualified to pursue. They are examined for admission to the College on such parts of the regular requirements as belong to the departments in which they propose to enter, are subject to the same rules, and enjoy the same privileges as the regular students; and, on leaving with an honorable dismission, are entitled to a certificate from the President, stating the time they have been members of the College and the studies pursued during that time.

REQUIREMENTS FOR ADMISSION.

I. Course in Arts.

Candidates for admission to the Freshman Class are examined in the following books:

GREEK.

Grammar (Hadley or Goodwin).

Xenophon: Anabasis, four Books.

Homer: Iliad, three Books, with Prosody.

Prose Composition (Jones or White: the exercises in the first half of the book).

History of Greece.

[The translation of average passages, not previously read, from Xenophon and Homer will be accepted as an alternative to the above-mentioned quantities in these authors.]

LATIN.

Grammar.

Caesar: Gallic War, Books I.–IV. inclusive: with questions on the subject matter and on grammar.

Virgil: Aeneid, Books I.–VI. inclusive: with questions on the subject-matter and on Prosody.

Cicero: the Orations against Catiline, and that for the Poet Archias: with questions on the subject matter and on grammar.

Prose Composition; Translation into Latin of a passage of connected English narrative, based upon some passage in Caesar's Gallic War.*

Roman History: Outlines, to the death of Marcus Aurelius (Creighton).

Ancient Geography.

Candidates will also be examined at sight upon average passages from Caesar's works, from Virgil's Aeneid and Ovid's Metamorphoses, and from Cicero's Orations, with general questions on grammar, history, and antiquities, suggested by the passage set.

MATHEMATICS.

Arithmetic, including the Metric System.

Algebra, through Radicals and Quadratic Equations, together with Proportion, Progressions, and the Binomial Theorem.

Plane Geometry.

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*In addition to the use of a text-book, it is recommended that pupils be accustomed, from the beginning of the preparatory course, to translate into Latin, both orally and in writing, passages prepared by the teachers upon the basis of the prose authors read.

ENGLISH.

Each candidate will be required to write a short English composition, correct in spelling, punctuation, grammar, division by paragraphs, and expression, upon a subject to be announced at the time of the examination. In 1884, the subject was chosen from the following works: Shakspeare's *Julius Caesar* and *Merchant of Venice;* Thackeray's *Henry Esmond;* Irving's *Sketch-Book;* Scott's *Lady of the Lake;* Carlyle's *Essay on Burns;* Burns' *Cotter's Saturday Night.*

Each candidate will also be required to criticize specimens of English composition.

NOTE.—The works from which the subject of the composition will be chosen in the following years are:

1885. Shakspeare's *Macbeth* and *Merchant of Venice;* the first two books of Milton's *Paradise Lost;* Irving's *Sketch-Book;* George Eliot's *Silas Marner;* Dickens' *Tale of Two Cities;* Emerson's Essay on *Eloquence* in *Society and Solitude.*

1886. Shakspeare's *Julius Caesar* and *Macbeth;* the first two books of Milton's *Paradise Lost;* Dickens' *Tale of Two Cities;* Scott's *Abbot;* Pope's *Rape of the Lock;* J. R. Lowell's *Vision of Sir Launfal;* Goldsmith's *She Stoops to Conquer.*

1887. Shakspeare's *Winter's Tale* and *Cymbeline;* George Eliot's *Romola;* Coleridge's *Ancient Mariner* and *Christabel;* Longfellow's *Evangeline.*

Copies of papers used at the Examinations in 1884 are printed at the end of this Catalogue.

II. COURSE IN LETTERS AND SCIENCE.

In this course the requirements for admission are the same as in the preceding omitting the Greek, Cicero's Orations, and extempore Latin translation.

III. COURSE IN SCIENCE.

Candidates for the Course in Science are examined in the same subjects as those for the course in Arts, except Greek, Cicero's Orations, and extempore Latin. They will further be examined in Algebra as far as the Theory of Equations, in the whole of Geometry, in Plane Trigonometry with its applications to Surveying and Navigation, and in Trench's *Study of Words* and *English Past and Present.*

IV. COURSE IN LETTERS.

The requirements for admission to this course are the same as for the course in Arts, with the omission of Greek.

EXAMINATIONS FOR ADMISSION.

Two Examinations for Admission are held at the College in each year: the first at the end of June, in Commencement Week; and the second in September, immediately before the beginning of Christmas Term.

In 1885 the order of examinations will be as follows:

JUNE.	SEPTEMBER.
Monday, June 22d,	Tuesday, September 8th,
2 P. M., Greek.	8½ A. M., Greek:
Tuesday, June 23d,	2 P. M., Latin.
8½ A. M., Latin.	Wednesday, September 9th,
2 P. M., Algebra.	8½ A. M., Algebra:
Wednesday, June 24th,	2 P. M., English.
8½ A. M., English.	Thursday, September 10th,
2 P. M., Arithmetic and Geometry.	8½ A. M., Arithmetic and Geometry.

Candidates are required to present themselves at the hour specified for the beginning of the Examinations.

Examinations for admission will also be held on the specified days of June in New York, Philadelphia, Pittsburgh, Chicago, and San Francisco, and in other places, due notice of which will be given.

Candidates may be examined on a portion of the Requirements for Admission at the Examinations of the year before that in which they propose to enter; but no candidate will be thus examined in advance on the whole of the requirements in any department.

No Candidate can be admitted to the Freshman Class before he he has completed his fifteenth year.

Candidates for admission to any of the higher classes, whether from other Colleges or not, must sustain, besides the examination for admission to College, a further examination on the studies already pursued by the class which they propose to enter.

Candidates for admission as students in special courses are examined on such parts of the requirements as belong to the departments in which they desire to be admitted.

All candidates for admission must bring testimonials of good moral character; and those who are from other colleges must produce certificates of dismission in good standing. These testimo-

nials and certificates should be presented at the time of the Examinations.

Certificates from certain schools having a course of instruction approved by the Faculty, will be accepted according to the form furnished by the College for admission to the Freshman Class in all the studies covered by the certificate; and any student thus received will be accepted on probation in scholarship.

SYNOPSIS OF STUDIES IN THE FOUR COURSES.

The following schemes show the studies of the several terms, and the number of hours a week assigned to each study.

The first recitation on Monday morning throughout the college course is devoted to religious studies. These comprise the following subjects: The New Testament in Greek (Gospels and Epistles); Old and New Testament History and Biblical Literature; Natural Theology; the Evidences of Christianity; the Historical Coincidences and Evidences of the Holy Scriptures.

In addition to these religious studies each student is required to take at least fifteen hours a week except in certain portions of the Course in Science and of the Course in Letters, in which a larger number of hours may be required as indicated in the synopsis of studies. The arrangement of the hours of recitations necessarily places limits to the choice of elective studies; but within these limits, each student may select from the elective studies of any term such as he desires, subject to the approval of the Faculty.

It will be observed that one-fourth of the work in the last two years of the Course in Arts is in elective studies; in the other courses the ratio of elective to prescribed work is different in different terms.

A student who has pursued one of the other courses in Freshman Year may pass into the Course in Science at the beginning of Sophomore Year; and if he has already studied the French of that year, a substitute for it will be provided.

Students are required to signify their choice of elective studies before the close of each term.

In the following schemes studies marked with an asterisk (*) are taken with the next higher class in Arts. Studies marked with a dagger (†) are taken with the Junior Class in Arts. Studies marked with a double dagger (‡) are omitted if they have been taken earlier in the course.

I. COURSE IN ARTS.

For the Degree of Bachelor of Arts.

FRESHMAN YEAR.

CHRISTMAS TERM.

Greek (5 hrs.). Homer's Odyssey: two Books. Greek Composition.

Latin (5 hrs.). Cicero: De Senectute. Livy: one Book. Latin Etymology and Syntax. Latin Prose (Abbott).

Mathematics (5 hrs.). Algebra: Undetermined Coefficients, Series, Binomial Theorem, Logarithms, Theory of Equations. Geometry of Space, begun.

TRINITY TERM.

English (2 hrs.). Study of words (Trench). Theme: subject from American History.

Elocution. Exercises in Voice-building and Articulation.

Greek (4 hrs.). Homer's Odyssey: two Books. Herodotus. Greek Composition. History. History of Literature.

Latin (4 hrs.). Livy, continued. Horace: Odes, Epodes, and Satires. Grammar. Latin Prose (Abbott). Lectures on Roman Antiquities.

Mathematics (5 hrs.). Geometry of Space, finished. Plane and Spherical Trigonometry. Surveying, with Field Practice. Navigation.

SOPHOMORE YEAR.

CHRISTMAS TERM.

English (2 hrs.). Hills's Rhetoric. Exercises in Grammatical Criticism and in Literary Analysis. Themes.

French (3 hrs.). Grammar, to the Irregular Verb (Keetels). Les prosateurs français (Roche) begun.

Greek (4 hrs.). Sophocles: Antigone. History. History of the Drama.

Latin (4 hrs.). Livy: Book XXI. Roman History (Epoch Series).

Mathematics (2 hrs.). Analytic Geometry. Lectures on the Transcendental and Higher Curves.

TRINITY TERM.

Botany (3 hrs., half the term). Recitations in Macloskie's Elementary Botany.

English (1 hr.). Whateley's Rhetoric. Analysis of Arguments. Themes.

Elocution. Exercises in Expression and Gesture.

French (2 hrs.). Grammar, finished. Les prosateurs français: Translations. Studies in French Literature.

Greek (3 hrs.). Plato: Apology. Demosthenes: Popular Orations. History. History of Literature.

Latin (3 hrs.). Horace: Epistles and Ars Poetica. Selections from Latin Poets. Tacitus: Agricola. Extempore Translation. Exercises in writing Latin.

Mechanics (3 hrs., half the term). Analytical Mechanics (Peck). Recitations and Lectures.

Physics (3 hrs., half the term). Experimental Lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

Zoology (3 hrs., half the term). Recitations in Orton's Comparative Zoology, with lectures illustrated by a suite of skeletons of modern animals and by alcoholic specimens.

JUNIOR YEAR.

CHRISTMAS TERM.

Chemistry (3 hrs.). Experimental Lectures on non-metals and metals (Stoddard's Outlines of Lecture-Notes). History of Chemistry.

English (2 hrs.). History of the English Language (Craik). Essays on Literary Subjects. Lectures on English Poetry.

German (4 hrs.). Grammar, through the Irregular Verb (Cook's Otto) with selected ballads. Bilderbuch ohne Bilder (Andersen).

Physics (2 hrs.). Experimental Lectures on Heat and Optics (Ganot).

ELECTIVE STUDIES.

Anthropology (2 hrs.). (Hopkins).

Biology (2 hrs.). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology); Brooks' Handbook of Invertebrate Zoology). Essays on select subjects.

Greek (2 hrs.). Isocrates: Panegyric.

History (2 hrs.). Outlines of History (Freeman's General Sketch). Recitations and Themes.

Latin (2 hrs.). Tacitus: Annals. Translations from English Authors. Extemporalia.

Mathematics (4 hrs.). Elements of Differential and Integral Calculus.

TRINITY TERM.

Astronomy (3 hrs.). Mathematical and Descriptive Astronomy. Lectures.

English (1 hr.). History of English Literature (Shaw). Essays and Orations. Lectures on Representative Authors and on American Literature.

German (3 hrs.). Grammar finished. Reader of German Literature (Rosenstengel). Lyric Poems and Ballads; Prose Selections. Wilhelm Tell (Schiller).

Physics (2 hrs.). Experimental lectures on Magnetism, Electrostatics, and Electrodynamics.

Political Science (2 hrs.). Elements of Political Economy (Fawcett or Laveleye).

ELECTIVE STUDIES.

Chemistry. Lectures on Organic Chemistry; Stoichiometrical Exercises; Lectures on Analytical Chemistry (2 hrs.). Laboratory practice: Exercises in Synthetical and Analytical Chemistry (4 hrs.).

English (2 hrs.). Lanier on the English Novel. Taines' English Literature. Lectures on the Evolution of English Literature.

Ethics (2 hrs.). Haven's Moral Philosophy.

History (2 hrs.). History of the United States (Eliot).

French (2 hrs.). Tableaux de la révolution française (Crane and Brun, editors). Théâtre français moderne (Brette, Cassal, and Karcher, editors), Third Series. Reading at sight.

Greek (2 hrs.). Æschylus: Persians. Aristophanes: Frogs.

Latin (2 hrs.). Extempore Translation: Pliny's Letters. History of the Roman Empire.

SENIOR YEAR.

CHRISTMAS TERM.

English (1 hr.). The Philosophy of Literature (Bascom). Essays and Dissertations. Lectures. Elocution: Exercises in Expression and Gesture.

Geology (2 hrs.). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

History (5 hrs.). Mediaeval and Modern Europe. Recitations, Lectures, and Themes.

Metaphysics (3 hrs.). Logic (Jevons and Wilson).

ELECTIVE STUDIES.

English (2 hrs.). Critical reading of Shakspeare—Hamlet and Lear—Rolfe's Edition. Lectures on Shakspearian criticism.

Ethics (4 hrs.). Whewell's Elements of Morality. Lectures.

German (2 hrs.). Modern Comedy and Romance:—Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Maria Stuart (Schiller) or Faust (Goethe). Reading at sight. Lectures on Comparative Philology.

Greek (2 hrs.). Isocrates: Panegyric.

Latin (2 hrs.). Juvenal: Satires. Plautus: Captivi or Trinummus Latin Themes.

Mineralogy (2 hrs.). Crystallography with identification of models. Lectures on Descriptive Mineralogy and Conferences in Determinative Mineralogy (Dana's Manual).

Physics. Lectures on Mathematical Physics, employing the Differential and Integral Calculus (2 hrs.). Laboratory work: Physical measurements (4 hrs.). Leitfaden der praktischen Physik (Kohlrausch).

Political Science (2 hrs.). Political Economy (Jevons on Money). Recitations, Lectures, and Theses.

TRINITY TERM.

English (1 hr.). Shakspeare, his Mind and Art (Dowden). Lectures and Orations.

Ethics (3 hrs.). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

Metaphysics (3 hrs.). Hamilton (Bowen). Cousin (Henry). Wilson's Psychology, Human and Comparative.

Political Science (4 hrs.). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Recitations, Lectures, and Theses.

ELECTIVE STUDIES.

Astronomy (2 hrs.). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

English (2 hrs.). Lanier's Science of English verse. English Men of Letters; Pope, Johnson, Gray, etc.

Ethics (2 hrs.). Whewell's History of Moral Philosophy.

French (2 hrs.). Les poëtes français (Roche). French prosody (Traité de poésie française: De Banville). Themes. Théâtre français moderne, First Series, (Brette, Cassal, and Karcher, editors.) Old and Law French. Reading at sight.

Greek (2 hrs.). Æschylus: Persians. Aristophanes: Frogs.

History (2 hrs.). Philosophy of History (Guizot or Schlegel).

Latin (2 hrs.). Virgil: Eclogues. Extempore Translation: Quintilian, Persius. Translations from English Authors. Lectures on the History of Roman Literature.

Metaphysics (2 hrs.). Elements of Intellectual Science (Porter).

Physics (4 hrs.). Laboratory work: Physical measurements, Leitfaden der praktischen Physik (Kohlrausch).

COURSE IN ARTS.
HOURS OF ATTENDANCE.
CHRISTMAS TERM.

Prescribed Studies in Roman; Elective Studies in *Italics*.

FRESHMEN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	Greek.	Greek.	Latin.	Greek.	Mathematics.
9¾–10¾	Latin.	Latin.	Latin.	Greek.	Latin.	
12–1	Greek.	Mathematics.	Mathematics.	Mathematics.	Mathematics.	

SOPHOMORES.

8½–9½	Rel. Studies.	French.	Latin.	Greek.	French.	English.
9¾–10¾	Greek.	Greek.	Mathematics.	French.	Mathematics.	
12–1	Latin.	Latin.	English.	Latin.	Greek.	

JUNIORS.

8½–9½	Rel. Studies.	English.	Physics.	German.	English.	Physics.
9¾–10¾	German.	German.	Chemistry.	Chemistry.	Chemistry.	
11–12	*Calculus.* *History.* *Latin.*	*Calculus.* *Anthropology.* *Greek.*	*Calculus.* *History.* *Latin.*	*Calculus.* *Anthropology.* *Greek.*		
12–1					*German.	
2–4			*Biology.*			

SENIORS.

8½–9½	Rel. Studies.	History.	Metaphysics.	English	Metaphysics.	Metaphysics.
9¾–10¾	History.	Geology.	History.	History.	*History.	
11–12	*Latin.*	*Greek.* *Physics.*	*Latin.*	*Greek.* *Physics.*		
12–1	*Ethics.* *German.*	*Ethics.* *English.* *Pol. Economy.*	*Ethics.* *German.*	*Ethics.* *English.* *Pol. Economy.*	Geology.	
2–4	*Mineralogy.*	*Pract. Physics.*		*Pract. Physics.*		

*Or Lectures in History by Bishop Williams.

TRINITY TERM.

FRESHMEN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8¼–9¼	Rel. Studies.	Latin.	English.	Latin.	Latin.	English.
9¾–10¾	Latin.	Greek.	Mathematics.	Greek.	Mathematics.	
12–1	Mathematics.	Mathematics.	Greek.	Mathematics.	Greek.	

SOPHOMORES.

8¼–9¼	Rel. Studies.	Mechanics.	Nat. Hist.	Mechanics.	Nat. Hist.	Mechanics.
9¾–10¾	Greek.	Nat. Hist.	Greek.	English.	Greek.	
12–1	Latin.	Latin.	French.	Latin.	French.	

JUNIORS.

8½–9½	Rel. Studies.	Astronomy.	Polit. Econ'y.	Astronomy.	English.	Polit Econ'y.
9¾–10¾	German.	Physics.	German.	Physics.	* German.	
11–12	*Ethics. Greek. French.*	*History. Latin.*	*Ethics. Greek. French.*	*History. Latin.*		
12–1	*English.*	*Chemistry.*	*English.*	*Chemistry.*	Astronomy.	
2–4		*Pract. Chem.*		*Pract. Chem.*		

SENIORS.

8¼–9¼	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9¾–10¾	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11–12	*Astronomy. Greek.*	*Latin.*	*Astronomy. Greek.*	*Latin.*		
12–1	*Ethics. History.*	*Metaphysics. English. French.*	*Ethics. History.*	*Metaphysics. English. French.*	* Pol. Science.	
2–4		*Pract. Physics.*		*Pract. Physics.*		

*Or Lectures in History by Bishop Williams.

II. COURSE IN LETTERS AND SCIENCE.

For the Degree of Bachelor of Science.

FRESHMAN YEAR.

CHRISTMAS TERM.

**French* (3 hrs.). Grammar, to the Irregular Verb (Keetels). Les prosateurs français (Roche), begun.

†*History* (2 hrs.). Outlines of History (Freeman's General Sketch). Themes.

Latin (5 hrs.). Cicero: De Senectute. Livy: one Book. Latin Etymology and Syntax. Latin Prose (Abbott).

Mathematics (5 hrs.). Algebra: Undeterminal Coefficients, Series, Binomial Theorem, Logarithms, Theory of Equations. Geometry of Space, begun.

TRINITY TERM.

English (2 hrs.). Study of Words (Trench). Theme: Subject from American History. Elocution. Exercises in Voice-building and Articulation.

**French* (2 hrs.). Grammar finished. Les prosateurs français. Translations. Studies in French literature.

†*History* (2 hrs.). Eliot's History of the United States.

Latin (4 hrs.). Livy, continued. Horace: Odes, Epodes, and Satires. Grammar. Latin Prose (Abbott). Lectures on Roman Antiquities.

Mathematics (5 hrs.). Geometry of Space, finished. Plane and Spherical Trigonometry. Surveying, with Field Practice. Navigation.

SOPHOMORE YEAR.

CHRISTMAS TERM.

Fourteen hours required.

**Anthropology* (2 hrs.). (Hopkins.)

English (2 hrs.). Hill's Rhetoric. Exercises in Grammatical Criticism, and in Literary Analysis. Themes.

**German* (4 hrs.). Grammar, through the Irregular Verb (Cook's Otto), with selected Ballads. Bilderbuch ohne Bilder (Andersen).

Latin (4 hrs.). Livy: Book XXI. Roman History. Epoch Series.

Mathematics (2 hrs.). Analytical Geometry. Lectures on the Transcendental and Higher Curves.

TRINITY TERM.

Botany (3 hrs., half the term). Elementary Botany (Macloskiè's).

English (1 hr.). Whateley's Rhetoric. Themes and Orations. Analysis of Arguments. Exercises in Expression and Gesture.

**French* (2 hrs.). Tableaux de la révolution française (Crane and Brun, editors). Théâtre français moderne (Brette, Cassal, and Karcher, editors). Third series. Reading at sight.

**German* (3 hrs.). Grammar finished. Reader of German Literature (Rosenstengel). Lyric poems and ballads; prose selections. Wilhelm Tell (Schiller). Lectures on Comparative Philology.

Latin (3 hrs.). Horace: Epistles and Ars Poetica. Selections from Latin Poets. Tacitus: Agricola. Extempore Translation. Exercises in writing Latin.

Mechanics (3 hrs., half the term). Analytical Mechanics (Peck). Recitations and Lectures.

Physics (3 hrs., half the term). Experimental lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

Zoology (3 hrs., half the term). Recitations in Orton's Comparative Zoology, with lectures illustrated by a suite of skeletons of modern animals, and by alcoholic specimens.

JUNIOR YEAR.

CHRISTMAS TERM.

Biology (2 hrs.). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks' Handbook of Invertebrate Zoology). Essays on select subjects.

Chemistry (3 hrs.). Experimental lectures on the non-metals and metals (Stoddard's Outline of Lecture-Notes). History of Chemistry. Thesis: "The Chemical Effects of Light."

English (2 hrs.). History of the English Language (Craik). Themes and Essays on Literary Subjects. Lectures on English Literature. Exercises in Elocution.

Mathematics (4 hrs.). Elements of Differential and Integral Calculus.

Physics (2 hrs.). Experimental lectures on Heat and Optics (Ganot).

ELECTIVE STUDIES.

**English* (2 hrs.). Critical readings from Shakspeare: Hamlet, Lear (Rolfe's edition). Lectures on Shakesperian Criticism.

**Ethics* (4 hrs.). Whewell's Elements of Morality. Lectures.

**German* (2 hrs.). Modern Comedy and Romance:—Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Maria Stuart (Schiller), or Faust (Goethe). Reading at sight. Lectures.

TRINITY TERM.

Astronomy (3 hrs.). Mathematical and Descriptive Astronomy. Lectures.

Chemistry. Lectures on Organic Chemistry; Stoichiometrical Exercises; Lectures on Analytical Chemistry (2 hrs.). Laboratory practice: Exercises in Synthetical and Analytical Chemistry (4 hrs.).

Physics (2 hrs.). Experimental lectures on Magnetism, Electrostatics, and Electrodynamics.

Political Science (2 hrs.). Elements of Political Economy (Fawcett or Laveleye).

ELECTIVE STUDIES.

English (2 hrs.). Lectures on the Evolution of English Prose. Lanier on the English Novel. Taine's English Literature.

Ethics (2 hrs.). Marcus Aurelius. Lectures.

* *French* (2 hrs.). Les poëtes français (Roche). French Prosody (Traité de poesie française, De Banville). Themes. Théâtre français moderne, First Series (Brette, Cassal, and Karcher, editors). Old and Law French. Reading at sight.

Latin (2 hrs.). Extempore Translation: Pliny's Letters. History of the Roman Empire.

SENIOR YEAR.

CHRISTMAS TERM.

English (1 hr.). The Philosophy of Literature (Bascom). Essays and Dissertations. Lectures.

Geology (2 hrs.). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

History (5 hrs.). Mediaeval and Modern Europe. Recitations, Lectures, and Themes.

Metaphysics (3 hrs.). Logic (Jevons and Wilson).

Mineralogy (2 hrs.). Crystallography with identification of models. Lectures on Descriptive Mineralogy and Conferences in Determinative Mineralogy (Dana's Manual).

Physics. Lectures on Mathematical Physics, employing the Differential and Integral Calculus (2 hrs.). Laboratory work: Physical Measurements (4 hrs.). Leitfaden der praktischen Physik (Kohlrausch).

TRINITY TERM.

English (1 hr.). Shakspeare: his Mind and Art (Dowden). Lectures and Orations.

Ethics (3 hrs.). Adam Smith's Moral Sentiments.

Metaphysics (2 hrs.). Hamilton (Bowen). Cousin (Henry). Wilson's Psychology, Human and Comparative.

Physics (4 hrs.). Laboratory work: Physical Measurements. Leitfaden der praktischen Physik (Kohlrausch).

Political Science (4 hrs.). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Recitations, Lectures, and Theses.

ELECTIVE STUDIES.

Astronomy (2 hrs.). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the Adjustment and Use of the Transit Instrument and Equatorial Telescope, etc.

‡ *English* (2 hrs.). Science of English Verse (Lanier). English Men of Letters; Pope, Johnson, Gray, etc.

Ethics (2 hrs.). Adam Smith's Moral Sentiments.

‡ *French* (2 hrs.). Les poëtes français (Roche). French prosody (Traité de poésie française: De Banville). Théâtre français moderne, First Series (Brette, Cassal, and Karcher, editors). Old and Law French. Reading at sight. Lectures on Comparative Philology.

History (2 hrs). Philosophy of History (Guizot or Schlegel).

Latin (2 hrs.). Virgil: Eclogues. Extempore Translation: Quintilian; Persius. Translations from English Authors. Lectures on the History of Roman Literature.

Metaphysics (2 hrs.). Elements of Intellectual Science (Porter).

COURSE IN LETTERS AND SCIENCE.

HOURS OF ATTENDANCE.

CHRISTMAS TERM.

Prescribed Studies in Roman; Elective Studies in *Italics*.

FRESHMEN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	French.		Latin.	French.	Mathematics.
9¾–10¾	Latin.	Latin.	Latin.	French.	Latin.	
11–12	History.		History.			
12–1		Mathematics.	Mathematics.	Mathematics.	Mathematics.	

SOPHOMORES.

8½–9½	Rel. Studies.		Latin.	German.		English.
9¾–10¾	German.	German.	Mathematics.		Mathematics.	
11–12		Anthropology.		Anthropology.		
12–1	Latin.	Latin.	English.	Latin.	*German.	

JUNIORS.

8½–9½	Rel. Studies.	English.	Physics.		English.	Physics.
9¾–10¾			Chemistry.	Chemistry.	Chemistry.	
11–12	Calculus.	Calculus.	Calculus.	Calculus.		
12–1	*Ethics.* *German.*	*Ethics.* *English.*	*Ethics.* *German.*	*Ethics.*	*English.*	
2–4			Biology.			

SENIORS.

8½–9½	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9¾–10¾	History.	Geology.	History.	History.	*History.	
11–12		Adv. Physics.		Adv. Physics.		
12–1					Geology.	
2–4	Mineralogy.	Pract. Physics.		Pract. Physics.		

* Or Lectures in History by Bishop Williams.

TRINITY TERM.

FRESHMEN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	Latin.	English.	Latin.	Latin.	English.
9¾–10¾	Latin.		Mathematics.		Mathematics.	
11–12		History.		History.		
12–1	Mathematics.	Mathematics.	French.	Mathematics.	French.	

SOPHOMORES.

8½–9½	Rel. Studies.	Mechanics.	Nat. Hist.	Mechanics.	Nat. Hist.	Mechanics.
9¾–10¾	German.	Nat. Hist.	German.	English.	*German.	
11–12	French.		French.			
12–1	Latin.	Latin.		Latin.		

JUNIORS.

8½–9½	Rel. Studies.	Astronomy.	Polit. Econ'y.	Astronomy.		Polit. Econ'y.
9¾–10¾		Physics.		Physics.		
11–12	*French. Ethics.*	*Latin.*	*French. Ethics.*	*Latin.*		
12–1	*English.*	Chemistry.	*English.*	Chemistry.	Astronomy.	
2–4		Pract. Chem.		Pract. Chem.		

SENIORS.

8½–9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9¾–10¾	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11–12	*Astronomy.*	*Latin.*	*Astronomy.*	*Latin.*		
12–1	*History. Ethics.*	*English. Metaphysics. Mod. Lang.*	*History. Ethics.*	*English. Metaphysics. Mod. Lang.*	* Pol. Science.	
2–4		Pract. Physics.		Pract. Physics.		

* Or Lectures in History by Bishop Williams.

III. COURSE IN SCIENCE.

For the Degree of Bachelor of Science.

SOPHOMORE CLASS.

CHRISTMAS TERM.

English (2 hrs.). Hill's Rhetoric. Exercises in Grammatical Criticism and Literary Analysis. Themes.

French (3 hrs.). Grammar, to the Irregular Verb (Keetels). Les prosateurs français (Roche), begun.

* *German* (4 hrs.). Grammar, through the Irregular Verb (Cook's Otto), with selected ballads. Bilderbuch ohne Bilder (Andersen).

* *History* (2 hrs.). Outlines of History (Freeman's General Sketch). Recitations and Themes.

Mathematics (4 hrs.). Spherical Trigonometry. Surveying, with Field Practice. Navigation. Analytic Geometry. Lectures on the Transcendental and Higher Curves.

TRINITY TERM.

Sixteen hours required.

Botany (3 hrs., half the term). Elementary Botany (Macloskie).

English (1 hr.). Whateley's Rhetoric: Themes and Orations; Analysis of Arguments. Elocution; Exercises in Expression and Gesture.

* *Ethics* (2 hrs.). Havens' Moral Philosophy.

French (2 hrs.). Grammar finished. Les prosateurs français. Translations. Studies in French Literature.

* *German* (3 hrs.). Grammar finished. Reader of German Literature (Rosenstengel). Lyric poems and ballads. Prose Selections. Wilhelm Tell (Schiller). Lectures on Comparative Philology.

* *History* (2 hrs.). History of the United States (Eliot).

Mechanics (3 hrs., half the term). Analytical Mechanics (Peck). Recitations and Lectures.

Physics (3 hrs., half the term). Experimental lectures on the Physics of Solids, Liquids, and Gases. Lectures on Acoustics (Ganot).

Zoology (3 hrs., half the term). Recitations in Orton's Comparative Zoology, with lectures illustrated by a suite of skeletons of modern animals, and by alcoholic specimens.

JUNIOR YEAR.

CHRISTMAS TERM.

Biology (2 hrs.). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks' Handbook of Invertebrate Zoology). Essays on select subjects.

Chemistry (3 hrs.). Experimental lectures on the non-metals and metals (Stoddard's Outlines of Lecture-Notes). History of Chemistry. Thesis: "The Chemical Effects of Light."

English (2 hrs.). History of the English Language (Craik). Themes and Essays on Literary Subjects. Lectures on English Literature.

* *German* (2 hrs.). Modern Comedy and Romance:—Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Maria Stuart (Schiller) or Faust (Goethe). Reading at sight.

Mathematics (4 hrs.). Elements of Differential and Integral Calculus.

Physics (2 hrs.). Experimental lectures on Heat and Optics (Ganot).

TRINITY TERM.

Sixteen hours required.

Astronomy (3 hrs.). Mathematical and Descriptive Astronomy. Lectures.

Chemistry. Lectures on Organic Chemistry; Stoichiometrical Exercises; Lectures on Analytical Chemistry (2 hrs.). Laboratory practice: Exercises in Synthetical and Analytical Chemistry (4 hrs.).

English (1 hr.). History of Literature (Shaw). Essays and Orations. Lectures on Representative Authors and on American Literature.

French (2 hrs.). Tableaux de la révolution française (Crane and Brun, editors). Théâtre français moderne (Brette, Cassal, and Karcher, editors); Third Series. Reading at sight.

Physics (2 hrs.). Experimental lectures on Magnetism, Electrostatics, and Electrodynamics.

Political Economy (2 hrs.). Elements of Political Economy (Fawcett or Laveleye).

SENIOR YEAR.

CHRISTMAS TERM.

English (1 hr.). Philosophy of Literature (Bascom). Essays and Dissertations. Lectures.

Geology (2 hrs.). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

History (5 hrs.). Mediaeval and Modern Europe. Lectures and Themes.

Metaphysics (3 hrs.). Logic (Jevons and Wilson).

Mineralogy (2 hrs.). Crystallography with identification of models.

Lectures on Descriptive Mineralogy and Conferences in Determinative Mineralogy (Dana's Manual).

Physics. Lectures on Mathematical Physics, employing the Differential and Integral Calculus (2 hrs.). Laboratory work: Physical measurements (4 hrs.). Leitfaden der praktischen Physik (Kohlrausch).

TRINITY TERM.

English (1 hr.). Dowden: Shakspeare, his Mind and Art. Lectures. Orations.

Ethics (3 hrs.). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

Metaphysics (3 hrs.). Hamilton (Bowen). Cousin (Henry). Wilson's Psychology, Human and Comparative.

Physics (4 hrs.). Laboratory work: Physical measurements. Leitfaden der praktischen Physik (Kohlrausch).

Political Science (4 hrs.). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Recitations, Lectures, and Theses.

ELECTIVE STUDIES.

Astronomy (2 hrs.). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

English (2 hrs.). Science of English Verse (Lanier). English Men of Letters—Pope, Johnson, Gray, etc.

Ethics (2 hrs.). Whewell's History of Moral Philosophy.

French (2 hrs.). Les poëtes français (Roche). French prosody (Traité de poésie française: De Banville). Themes. Théâtre français moderne, First Series (Brette, Cassal, and Karcher, editors). Old and Law French. Readings at sight.

History (2 hrs.). Philosophy of History (Guizot or Schlegel).

Metaphysics (2 hrs.). Elements of Intellectual Science (Porter).

COURSE IN SCIENCE.

HOURS OF ATTENDANCE.

CHRISTMAS TERM.

Prescribed Studies in Roman; Elective Studies in *Italics*.

SOPHOMORES.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY
8½–9½	Rel. Studies.	French.	Spher. Trig.	German.	French.	English.
9¾–10¾	German.	German.	Mathematics.	French.	Mathematics.	
11–12	History.		History.			
12–1	Spher. Trig.		English.		* German.	

JUNIORS.

8½–9½	Rel. Studies.	English.	Physics.		English.	Physics.
9¾–10¾			Chemistry.	Chemistry.	Chemistry.	
11–12	Calculus.	Calculus.	Calculus.	Calculus.		
12–1	German.		German.			
2–4			Biology.			

SENIORS.

8½–9½	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9¾–10¾	History.	Geology.	History.	History.	* History.	
11–12		Physics.		Physics.		
12–1					Geology.	
2–4	Mineralogy.	Pract. Physics.		Pract. Physics.		

* Or Lectures in History by Bishop Williams.

TRINITY TERM.

SOPHOMORES.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	Mechanics.	Nat. Hist.	Mechanics.	Nat. Hist.	Mechanics.
9¾–10¾	German.	Nat. Hist.	German.	English.	*German.	
11–12	Ethics.	History.	Ethics.	History.		
12–1	English.		French.		French.	

JUNIORS.

8½–9½	Rel. Studies.	Astronomy.	Polit. Econ'y.	Astronomy.	English.	Polit. Econ'y.
9¾–10¾		Physics.		Physics.		
11–12	French.		French.			
12–1		Chemistry.		Chemistry.	Astronomy.	
2–4		Pract. Chem.		Pract. Chem.		

SENIORS.

8½–9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9¾–10¾	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11–12	*Astronomy.*		*Astronomy.*			
12–1	*History. Ethics.*	*English. French. Metaphysics.*	*History. Ethics.*	*English. French. Metaphysics.*	* Pol. Science.	
2–4		Pract. Physics.		Pract. Physics.		

* Or Lectures in History by Bishop Williams.

IV. COURSE IN LETTERS.

FRESHMAN YEAR.

CHRISTMAS TERM.

Latin (5 hrs.). Cicero: De Senectute. Livy: one book. Latin Etymology and Syntax. Latin Prose (Abbott).

Mathematics (5 hrs.). Algebra: Undetermined Co efficients, Series, Binomial Theorems. Logarithms. Theory of Equations. Geometry of Space, begun.

**French* (3 hrs.). Grammar, to the Irregular Verb (Keetels). Les prosateurs français (Roche), begun.

† *History* (2 hrs.). Outlines of History (Freeman's General Sketch). Themes.

TRINITY TERM.

English (2 hrs.). Study of Words (Trench). Theme. Subject from American History.

**French* (2 hrs.). Grammar finished. Les prosateurs français. Translations: Studies in French Literature.

† *History* (2 hrs.). History of the United States (Eliot).

Latin (4 hrs.). Livy, continued. Horace: Odes, Epodes, and Satires. Grammar. Latin Prose (Abbott). Lectures on Roman Antiquities.

Mathematics (5 hrs.). Geometry of Space, finished. Plane and Spherical Trigonometry. Surveying, with Field Practice. Navigation.

SOPHOMORE YEAR.

CHRISTMAS TERM.

Fourteen hours required.

**Anthropology* (2 hrs.). (Hopkins).

English (2 hrs.). Rhetoric (Hill). Exercises in Grammatical Criticism and in Literary Analysis. Themes.

**German* (4 hrs.). Grammar, through the Irregular Verb (Cook's Otto), with selected ballads. Bilderbuch ohne Bilder (Andersen).

Latin (4 hrs.). Livy: Book xxi. Roman History: Epoch Series.

Mathematics (2 hrs.). Analytic Geometry. Lectures on the Transcendental and Higher Curves.

TRINITY TERM.

Botany (3 hrs., half the term). Elementary Botany (Macloskie's).

English (1 hr.). Rhetoric (Whately). Exercises in Argumentation and the different kinds of style. Themes.

**French* (2 hrs.). Tableaux de la révolution française (Crane and Brun, editors). Théâtre français moderne (Brette, Cassal, and Karcher, editors), Third Series. Reading at sight.

* *German* (3 hrs.). Grammar finished. Reader of German Literature (Rosenstengel). Lyric poems and ballads. Prose selections. Wilhelm Tell (Schiller). Lectures on Comparative Philology.

Latin (3 hrs.). Horace: Epistles and Ars Poetica. Selections from Latin Poets. Tacitus: Agricola. Extempore Translation. Exercises in writing Latin.

Mechanics (3 hrs., half the term). Analytical Mechanics (Peck). Recitations and Lectures.

Physics (3 hrs., half the term). Experimental lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

Zoology (3 hrs., half the term). Recitations in Orton's Comparative Zoology, with lectures illustrated by a suite of skeletons of modern animals and by alcoholic specimens.

JUNIOR YEAR.

CHRISTMAS TERM.

Chemistry (3 hrs.). Experimental lectures on the non-metals and metals (Stoddard's Outlines of Lecture-Notes). History of Chemistry.

English (2 hrs.). History of the English Language (Craik). Essays on Literary Subjects. Lectures on English Literature.

**English* (2 hrs.). Critical reading of Shakspeare — Hamlet — Lear — (Rolfe's Edition.) Lectures on Shakspearian Criticism.

**German* (2 hrs.). Modern Comedy and Romance:—Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Maria Stuart (Schiller), or Faust (Goethe). Reading at sight. Lectures on Comparative Philology.

Physics (2 hrs.). Experimental lectures on Heat and Optics (Ganot).

ELECTIVE STUDIES.

Biology (2 hrs.). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks' Handbook of Invertebrate Zoology). Essays on select subjects.

Latin (2 hrs.). Tacitus: Annals. Translations from English Authors. Extemporalia.

Mathematics (4 hrs.). Elements of Differential and Integral Calculus.

TRINITY TERM.

Fourteen hours required.

Astronomy (3 hrs.). Mathematical and Descriptive Astronomy. Lectures.

English (1 hr.). History of Literature (Shaw). Lectures on Representative Authors and on American Literature.

* *French* (2 hrs.). Les poëtes français (Roche). French prosody (Traité de poesie française: De Banville). Théâtre français moderne, First Series (Brette, Cassal, and Karcher, editors). Old and Law French. Reading at sight. Themes.

Physics (2 hrs.). Experimental lectures on Magnetism, Electrostatics, and Electrodynamics.

Political Economy (2 hrs.). Elements of Political Economy (Fawcett or Laveleye).

ELECTIVES.

English (2 hrs.). Lectures on the Evolution of English Prose. Lanier on the English Novel. Taines' English Literature.

Ethics (2 hrs.). Marcus Aurelius. Lectures.

Latin (2 hrs.). Extempore Translation: Pliny's Letters. History of the Roman Empire.

SENIOR YEAR.

CHRISTMAS TERM.

English (1 hr.). The Philosophy of Literature (Bascom). Essays and Dissertations. Lectures.

Geology (2 hrs.). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

History (5 hrs.). Mediaeval and Modern Europe. Lectures and Themes.

Metaphysics (3 hrs.). Logic (Jevons and Wilson).

ELECTIVES.

Ethics (4 hrs.). Whewell's Elements of Morality.

Latin (2 hrs.). Juvenal: Satires. Plautus: Captivi or Trinummus. Latin Themes.

Physics (2 hrs.). Lectures on Mathematical Physics; employing the Differential and Integral Calculus.

Political Economy (2 hrs.). (Jevons on Money.) Lectures and Theses.

TRINITY TERM.

English (1 hr.). Dowden (Shakspeare), his Mind and Art. Lectures and Orations.

Ethics (3 hrs.). Butler's Analogy: Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

Metaphysics (3 hrs.). Hamilton (Bowen). Cousin (Henry). Wilson's Psychology, Human and Comparative.

Political Science (4 hrs.). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Recitations, Lectures, and Theses.

ELECTIVES.

Astronomy (2 hrs.). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the Adjustment and Use of the Transit Instrument and Equatorial Telescope, etc.

English (2 hrs.). Science of English Verse (Lanier). English Men of Letters—Pope, Johnson, Gray, etc.

Ethics (2 hrs.). Adam Smith's Moral Science.

History (2 hrs.). Philosophy of History (Guizot or Schlegel).

Latin (2 hrs.). Virgil: Eclogues. Extempore Translation: Quintilian, Persius. Translations from English Authors. Lectures on the History of Roman Literature.

Metaphysics (2 hrs.). Elements of Intellectual Science (Porter).

COURSE IN LETTERS.

HOURS OF ATTENDANCE.

CHRISTMAS TERM.

Prescribed Studies in Roman; Elective Studies in *Italics.*

FRESHMAN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	French.		Latin.	French.	Mathematics.
9¾–10¾	Latin.	Latin.	Latin.	French	Latin.	
11–12	History.		History.			
12–1		Mathematics.	Mathematics.	Mathematics.	Mathematics.	

SOPHOMORES.

8½–9½	Rel. Studies.		Latin.	German.		English.
9¾–10¾	German.	German.	Mathematics.		Mathematics.	
11–12		Anthropology.		Anthropology.		
12–1	Latin.	Latin.	English.	Latin.	*German.	

JUNIORS.

8½–9½	Rel. Studies.	English.	Physics.		English.	Physics.
9¾–10¾			Chemistry.	Chemistry.	Chemistry.	
11–12	*Latin. Calculus.*	*Calculus.*	*Latin. Calculus.*	*Calculus.*		
12–1	German.	English.	German.		English.	
2–4			*Biology.*			

SENIORS.

8½–9½	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9¾–10¾	History.	Geology.	History.	History.	*History.	
11–12	*Latin.*	*Physics.*	*Latin.*	*Physics.*		
12–1	*Ethics.*	*Pol. Economy. Ethics.*	*Ethics.*	*Pol. Economy. Ethics.*	Geology.	

*Or Lectures in History by Bishop Williams.

TRINITY TERM.

FRESHMEN.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½–9½	Rel. Studies.	Latin.	English.	Latin.	Latin.	English.
9¾–10¾	Latin.		Mathematics.		Mathematics.	
11–12		History.		History.		
12–1	Mathematics.	Mathematics.	French.	Mathematics.	French.	

SOPHOMORES.

8½–9½	Rel Studies.	Mechanics.	Nat. History.	Mechanics.	Nat. History.	Mechanics.
9¾–10¾	German.	Nat. History.	German.	English.	*German.	
11–12	French.		French.			
12–1	Latin.	Latin.		Latin.		

JUNIORS.

8½–9½	Rel. Studies.	Astronomy.	Polit. Econ'y.	Astronomy.	English.	Polit. Econ'y.
9¾–10¾		Physics.		Physics.		
11–12	*Ethics.*	*Latin.*	*Ethics.*	*Latin.*		
12–1	*English.*	French.	*English.*	French.	Astronomy.	

SENIORS.

8½–9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9¾–10¾	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11–12	*Astronomy.*	*Latin.*	*Astronomy.*	*Latin.*		
12–1 {	*History.* *Ethics.*	*English.* *Metaphysics.*	*History.* *Ethics.*	*English.* *Metaphysics.*	*Pol. Science.	

*Or Lectures in History by Bishop Williams.

LECTURES.

Besides the lectures given by the members of the Faculty in the several departments the following courses of lectures are delivered each year:

By Bishop Williams: to the Seniors, on Ancient History, and the History of the Holy Roman Empire; to the Juniors, on the History of England and of the United States.

By Professor Brocklesby: to the Juniors, on the History of Astronomy.

By Dr. Wainwright: to the Seniors, on Anatomy and Physiology

By Mr. Hamersley: to the Seniors, on the Constitution of the United States.

By Dr. Scudder: to the Freshmen, on Hygiene.

By Mr. Warner: on English Literature.

By Mr. Graves: on the Science of Adminstration.

VOLUNTARY STUDIES.

In addition to the regular course of instruction, arrangements are made for the following courses of special study. The names of undergraduates pursuing voluntary studies in any term are publicly announced at the end of the term.

Metaphysics.

SENIORS: Berkeley's Principles of Knowledge (Krauth); McCosh's Intuitions of the Mind, and Typical Forms in Creation; Porter's Human Intellect.

Greek.

SENIORS AND JUNIORS: Aristotle.
SOPHOMORES: Xenophon's Hellenica.
FRESHMEN: Homer.

Latin.

SENIORS AND JUNIORS: Patristic Latin; Quintilian; Terence.
SOPHOMORES: Livy; Catullus.
FRESHMEN: Ovid; Cicero de Amicitia.

Mathematics and Astronomy.

SENIORS AND JUNIORS: Practical Astronomy (Chauvenet); Differential and Integral Calculus (Rice and Johnson, Byerly).

SOPHOMORES: Analytical Geometry; Quaternions (Hardy).

FRESHMEN: Higher Algebra (Macnie); Geometrical Exercises (Chauvenet).

Modern Languages.

SOPHOMORES: French: Translations and Conversations.

JUNIORS: German: Translations and Conversations.

SENIORS AND JUNIORS: Italian: Montague's Manual. I prosatori italiani (Biaggi). Commedie scelte (Goldoni). Fiori della poesia italiana (Michaelis).

Spanish: Montague's Manual: Libro de lectura, Nos. 2 and 3 (Mantilla). Antología española (Michaelis). Readings from Don Quixote (Cervantes).

Oriental Languages.

SENIORS AND JUNIORS: Elementary Hebrew Grammar, and parts of the Pentateuch.

History.

SENIORS: History of the Nineteenth Century.

JUNIORS: Mediæval and Modern History.

RELIGIOUS SERVICES.

The hours of daily Prayers in the College Chapel are 8 o'clock A. M and 5.30 o'clock P. M. The students are allowed one absence from Prayers each day; provided that not more than two of the absences in each week be from the Morning Service.

On Sunday, the students attend both services in the Chapel; Morning Prayer, with Sermon, being at 10.30 o'clock, and Evening Prayer at 5 o'clock. The Holy Communion is administered every Sunday at a voluntary service at 8.10 o'clock A. M., except on the first Sunday of the month, when the celebration is after Morning Prayer.

The President, who is the Pastor of the College, discharges the duties of Chaplain, in which he is assisted by the other clerical members of the Faculty.

TERMS AND VACATIONS.

The academic year comprises two terms—Christmas and Trinity. Christmas term begins with Examinations for Admission on the

Tuesday nearest the 15th of September, and closes near Christmas. It is followed by the Christmas vacation of two or three weeks.

Trinity term begins in January, at the end of the Christmas vacation, and extends to Commencement, which falls on the last Thursday in June. In this term there is also an Easter recess of ten days, ending on the last Monday of April. The Fifty-ninth Commencement falls on the 25th day of June, 1885.

MATRICULATION.

All students are required to matriculate on their admission to the College.

Matriculation consists in signing, in the presence of the President, Faculty, and others, the following promise:

"I promise to observe the statutes, lawful usages, and customs of Trinity College; and to maintain and defend her rights, privileges, and immunities, at all times and in all places according to my station and duties in the same."

EXAMINATIONS AND HONORS.

Examinations are held at the close of each term, upon all the studies of that term. These examinations are partly oral and partly written.

If a student attains in any department an average of nine on a scale of ten in his marks for his recitations, and also an average of nine in all examinations of that department, it is publicly announced that he has completed the studies of that department *cum honore*. At the end of the College course, if a student has received the distinction of *cum honore* in one or more departments, it is publicly stated in conferring his degree; and the names of the graduating class are printed in the next annual catalogue in the following manner: first, the names of those students who have been graduated *cum honore*, with a statement of the departments in which they have obtained honor; then the names of the others in alphabetical order.

Honors will be conferred in the following branches of study: Mathematics, Astronomy, Greek, Latin, English, Physics, Chemistry, Natural Science, Ethics and Metaphysics, History and Political Science, Modern Languages. To obtain honors in any of these studies a student must take all the electives in each branch, except in the case of Greek and of Latin, in which elective studies for one year only will be required.

At the end of each year the names of those students who have attained to the honor grade will be published in the Catalogue. A student who attains the honor grade in all departments throughout the entire course will be graduated with the title of Optimus.

CONDITIONS.

No student is admitted to Examination in any department, unless his average mark for the term in that department is at least five on a scale of ten.

When a student is excluded from Examination, or fails to pass any Examination in whole or in part, he is conditioned, and such deficiency must be made up during vacation; and the student is required to report himself at the opening of the following term, prepared to pass a special examination.

No student is advanced to the studies of any year until he has passed the examinations of the preceding year.

STANDING AND APPOINTMENTS.

The standing of a student is reckoned from the beginning of Freshman year, and is determined by his scholarship, as shown in recitations and examinations.

At the close of each term a report of the scholarship, attendance, and conduct of each student is transmitted to his parent or guardian.

The aggregate standing attained by each member of a class is published at the beginning of the second term in Junior year and at the end of Senior year. When a student has entered College after the beginning of Freshman year and before the beginning

of the second term in Sophomore year, his standing for the term or terms during which he was absent is considered to have the same ratio to the maximum as that which he gains while in residence up to the time of the first publication of his aggregate standing, and, having been once published, is not recomputed. The standing of a student entering later in the course is computed in the same manner, with a deduction of five per cent.

All the students in a class, the aggregate of whose marks for the entire course is to the maximum attainable in the ratio of at least $7\frac{3}{4}$ to 10, receive appointments for Commencement; and their names are printed on the programme in the order of their standing.

The first three appointments to speak at Commencement are given according to the aggregate of marks in the entire College course. Not less than two nor more than four other speakers are selected after competition before a special committee of the Faculty; those members of the class being eligible who, besides receiving appointments for Commencement, have attained a mark of $7\frac{3}{4}$ on the Theme-Writing of the course and a mark of 9 on the Graduating Oration.

No appointment is ordinarily assigned to any student who has entered College at or after the beginning of Senior year.

LIBRARY.

The Library is open on Saturday from 10 A. M. to 12.30 P. M., and on other week-days from 1.45 to 3 P. M ; and the students are allowed free access to the shelves.

It contains about 25,500 volumes, exclusive of duplicates and unbound pamphlets. The Bishop Burgess, Elton, Sheffield, Peters, and Athenæum Library Funds amount in all to $26,000. The Alumni Library Fund amounts to about $4,000, making the aggregate of the Library Fund $30,000. Donations to these funds and gifts of books, pamphlets, engravings, and portraits are earnestly solicited from the Alumni and from other friends.

The College Reading-Room is supplied with newspapers and periodicals published in this country and in England.

The Watkinson Library, a valuable collection of books for reference, containing about 35,000 volumes, is also accessible to the students.

Students can be provided to some extent with text-books, by means of a free lending library established for that purpose, which is under the charge of the Professor of Greek.

CABINET.

The College possesses valuable collections in Natural History, Geology, and Mineralogy, which are displayed in a hall specially arranged for that purpose. The former collections of minerals, fossils, and shells, will be arranged for study and use as soon as the necessary cases can be obtained and put in place. In order to familiarize students as much as possible with the objects used in illustration, instruction is given in the hall itself.

Instruction in Geology is aided by a complete suite of Ward's casts of celebrated fossils, including the megatherium, the glyptodon, the plesiosaurus, and other large specimens, and by a series of carefully selected actual fossils, representing characteristic forms in each geological period from the earliest Silurian to the Tertiary. In addition to this, students are referred to a suite of typical rocks of the State of New York, a series of rocks arranged both lithologically and stratigraphically, and a number of geological and relief maps.

Instruction in Natural History is aided by a valuable collection of mounted skeletons of modern animals, sixty in number, including the elephant, the walrus, the lion, the ourang-outan, man, etc., and by Blaschka's glass models of invertebrates.

Students in mineralogy have free access to collections made for practical instruction.

The cabinet is open every week-day from 2.30 to 4 o'clock P. M.

OBSERVATORY.

An observatory erected on the College Campus is furnished with sufficient apparatus for astronomical work. The transit-instrument and the telescope, which is a six-inch Fitz refractor, equatorially mounted and fitted with a driving clock, were presented by Dr. and Miss St. John of Hartford, from the estate of their father, the late Professor St. John of New Canaan, Conn., and

in his memory. The sidereal clock is of the best modern manufacture.

The small refractor and portable transit, heretofore used in instruction, have also been placed in the observatory.

EXPENSES.

After Commencement, 1884, the amount of the Treasurer's bills each year, will be as follows:

Tuition (Christmas Term, $40; Trinity Term, $60), - -	$100.00
Room-rent for each person,	
$100, $75, $60, $50, $30, or (with scholarship), - -	25.00
Incidentals, - - - - - - - - -	30.00
Heat, - - - - - - - - -	12.50
Total, $242.50, $217.50, $202.50, $192.50, $172 50, or -	$167.50

The cost of board for 37 weeks at $4.50 per week is $166.50. To this must be added laundry charges, together with the expense of books, furniture, clothing, travel, and society fees, which vary according to the taste and habits of the student, and of which no estimate can be given.

An extra charge of $15 per term is made for students taking practical instruction in the chemical laboratory.

SCHOLARSHIPS.

The amount of the Treasurer's bills can be considerably reduced to holders of scholarships. The College has always pursued a liberal policy towards students of limited means, and reductions of College bills, by remission of tuition or room-rent in whole or in part, as circumstances seem to justify and the resources of the College permit, are freely made.

The Toucey scholarships, for students for the ministry, are awarded by the Faculty.

For holders of those scholarships which remit the entire charges for tuition and room rent, the Treasurer's bills are reduced to $42.50; and the necessary expenses of such students, including board and other personal items, will not exceed $250 or $300 a year.

Application for any scholarship should be made in writing to

the President by the parent or guardian, at or before the beginning of the term in which the student intends to enter.

Funds are from time to time placed in the hands of the College authorities for the further assistance of good scholars of high character and slender means.

ROOMS.

The rooms in the College buildings are so arranged as to provide, for two students rooming together, a common study and separate bedrooms. All the rooms are heated by steam and lighted by gas; and ventilation is secured by open fire-places. Water is carried to every floor in each section.

The charge made in the College bills for room-rent varies from $25 to $100 per year for each occupant, as will be seen from the table of expenses on the preceding page.

The Statutes require all students to reside in the College buildings, unless they have special permission from the President to room elsewhere.

The College bills are due at the beginning of each term, and must be settled at the Treasurer's Office, No. 39 Pearl Street, immediately on the arrival of the student; if not so paid, an additional charge of five per cent. is made for each term's delay. All checks and drafts should be made payable to the order of Charles E. Graves, Treasurer.

By vote of the Trustees, the Treasurer, with the approval of the President, is authorized to exclude from recitations students neglecting to pay their College bills when due.

Students admitted to advanced classes, except those from other Colleges, are required to pay $12 for each term of their advancement. This charge is sometimes remitted.

No student can receive his degree or an honorable dismission until the Treasurer certifies that all his College bills are paid, and that, so far as the Treasurer knows, there are no lawful claims upon him for board, washing, or other necessary expenses which he has failed to satisfy.

The Gymnasium and the field of the Athletic Association provide all the students with opportunities for physical exercise.

PRIZES.

TUTTLE PRIZE.

The Tuttle Prize of thirty dollars was founded by the late Miles A. Tuttle, Esq., of Hartford. It will be awarded to that member of the Senior Class who shall write the best essay on "*The Relation of the People to the Land.*" The essays must be submitted to the President on or before the 27th of April, 1885. No award will be made except for distinguished excellence.

TUTTLE PRIZE ESSAYISTS.

1860. "The Benefits Resulting from a Collegiate Education." Augustus Jackson.
1861. "The Nature of Light." Albin Barlow Jennings.
1862. "The Writings of Washington Irving." [Not awarded.]
1863. "The Safeguards of College Life." William Thomas Currie.
1864. "The College Law of Honor." [Not awarded.]
1865. "The Providential Law of Scientific Discovery and Invention." John Henry Brocklesby.
1866. "Physical Science a Power in the Moral Advancement of Mankind." Henry Emerson Hovey.
1867. "The Development of the Mechanical Arts in the Roman Republic." [Not awarded.]
1868. "The Systems of Protection and Free Trade—which is best adapted to Promote the Prosperity of the United States?" Edward Renwick Brevoort.
1869. "The Causes of the French Revolution." Joseph Blount Cheshire, Jr.
1870. "The Antiquity of Man." Brady Electus Backus.
1871. "The Influence of War upon Civilization." Chauncey Camp Williams.
1872. "The Nature and Origin of Life." Robert Clayton Hindley.
1873. "The Equitable Adjustment of the Claims of Labor and Capital." Ralph Hart Bowles, Jr.
1874. "Number and Quantity, as Functions of Physical Law." Thomas James Drumm.
1875. "The Norman Element in English Civilization." Edward William Worthington.
1876. "The Prevalence of Periodicity in the Material World." [Not awarded.]
1877. "The Roman Empire as Foreshadowed in Prophecy." John Henry King Burgwin
1878. "The Philosophy of Waste in Nature." [Not awarded.]
1879. "The Causes and the Results of the Crimean War." [Not awarded.]
1880. "The Doctrine of Evolution, as tested by the Principles of the Inductive Philosophy." [Not awarded.]
1881. "The Development of Civil Liberty in the Anglo-Saxon Race." Alfred Poole Grint.
1882. "The Roman Tribunate." [Not awarded.]
1883. "The Respective Provinces of Thought and Imagination." Edward Stevens Beach.
1884. "The Future of Astronomy." Charles McLean Andrews.

CHEMICAL PRIZES.

A PRIZE OF THIRTY DOLLARS will be awarded to that member of the Junior Class who shall write the best thesis on "*The Chemical Effects of Light;*" and a second prize of twenty dollars will be awarded to that member of the class who shall write the second best thesis on the same subject. The thesis must be submitted to the Professor of Chemistry on or before the 29th of April, 1885.

CHEMICAL PRIZE ESSAYISTS.

1858. "Water." DAVID MAITLAND ARMSTRONG.
1859. "Carbonic Acid." SAMUEL BROOM WARREN.
1860. "The Atmosphere." CHARLES HENRY WRIGHT STOCKING.
1861. "T e Relations of Water to Heat." AUGUSTUS MORSE, JR.
1862. "Phlogiston." ROBERT WALKER LINEN.
1863. "Fire-Damp." JOHN JAMES MCCOOK.
1864. "Chlorine and its Compounds." ROBERT AGNEW BENTON.
1865. "The Relations of Plants to the Atmosphere." SAMUEL STEVENS.
1866. "Hydrogen." CHARLES HENRY BELKNAP TREMAINE.
1867. "Phosphorus." GEORGE GIDEON NICHOLS.
1868. "Oxygen." FRANK KENNEDY.
1869. "The Voltaic Pile." GEORGE OTIS HOLBROOKE.
1870. "Artificial Light." PERCY SHELLEY BRYANT.
1871. "The Metric System." GEORGE WILLIAM DOUGLAS.
1872. "The Electro-Magnetic Telegraph." GEORGE HENRY SEYMS.
1873. "Spectrum Analysis." WILLIAM HOWARD BULKLEY.
1874. "Photography." EDWARD NICOLL DICKERSON, JR.
Second Prize: GEORGE MCILVAINE DUBOIS.
1875. "The Steam Engine." WASHINGTON BRYAN.
Second Prize: GEORGE WILLIAM LINCOLN.
1876. "Iron." EDWARD NEVINS BURKE.
Second Prize: WILLIAM WHARTON GILLETTE.
1877. "Potassium and its Compounds." STEPHEN GERMAIN HEWITT.
Second Prize: EDWARD MANSFIELD SCUDDER.
1878. "Combustion." HORACE BROWN SCOTT.
Second Prize: GEORGE SUMNER CHIPMAN.
1879. "Sulphur." SYDNEY GEORGE FISHER.
Second Prize: ALFRED HARDING.
1880. "The Atomic Constitution of Matter." ROBERT BARCLAY.
Second Prize: WILLIAM RIDGLEY LEAKEN.
1881. "Explosives." GEORGE SUMNER HUNTINGTON.
Second Prize: FRANK EBENEZER MILLER.
1882. "Electrolysis." WILLIAM WALTER WEBB.
Second Prize: CHARLES ERLING HOTCHKISS.
1883. "Bleaching Agents." WILLIAM SEYMOUR SHORT.
Second Prize: ROBERT THEODORE REINEMAN.
1884. "Ozone." HARWOOD HUNTINGTON.
Second Prize: WILLIAM STANLEY BARROWS.

PRIZE VERSION DECLAMATIONS.

A PRIZE will be awarded on the following conditions:

There must be six competitors; two from the Senior, two from the Junior, and two from the Sophomore Class. The two members of each class whose rank is highest in the studies of the preceding year in the department of English and Rhetoric will be appointed the competitors. Passages from Greek and Latin authors, distributed by lot, and then translated into English and submitted to the Professor of Greek or Latin and the Professor of English, will be pronounced in public on the 28th of May, 1885, in the presence of a committee of award on the delivery. The merits of the version as a translation and as an English composition, together with the merits of the delivery as a declamation, will have equal weight in determining the award of the prize.

The prize-man of the year, if he be still a member of the College, will consider himself under obligation to pronounce an original version at the Prize Declamations of the following year, without being a candidate for the prize.

PRIZE-MEN.

1863. Joseph Field Ely.
1865. James Brainard Goodrich.
1866. Frank Louis Norton.
1867. Howard Cooke Vibbert.
1868. George Lewis Cooke, Jr.
1869. George William Douglas.
1870. Arthur Dyer.
1871. Paul Ziegler.
1872. Alexander Mackay Smith.
1873. Oliver Henry Raftery.
1874. James Davis Smyth.
1875. George Milton Hubbard.
1876. George Sumner Chipman.
1877. { Charles Carroll Edmunds, Jr.
{ Edward Mansfield Scudder.
1878. John Dows Hills.
1879. Alfred Harding.
1880. Harry Campbell Black.
1881. Charles Waring Jones.
1882. John Henry McCracken.
1883. Hiram Benjamin Loomis.
1884. Frank Wood Richardson.

ENGLISH LITERATURE PRIZE.

A PRIZE OF SIXTY-FIVE DOLLARS, the gift of Dr. Charles D. Scudder and Edward M. Scudder, Esq., of New York City, is offered to the Senior Class for the best examination in English Literature from the earliest times to the present day, with special reference, for the Class of 1885, to "*The Historical and Philosophical Writings of the Eighteenth Century.*" There must be at least five competitors. The examination, which will be held on the 21st and 22d of November, 1884, will be in writing, and the

questions proposed will not be confined to any text-book. The Professor of English and Rhetoric, the Professor of Latin, and a third person, not a member of the Faculty, to be selected by them, will be a committee to hold the examination and award the prize.

The special subjects of examination for the following classes will be:

For the Class of 1886, *The Historical Writings of the Nineteenth Century.*
For the Class of 1887, *American Political Writings.*
For the Class of 1888, *American Poetry.*
For the Class of 1889, *American Historical Writings.*

PRIZE-MEN.

1877. George Sumner Chipman.
1878. [Not awarded.]
1879. William Logan Crosby.
1880. William Stanley Emery.
1881. William Walter Webb.
1882. [Not awarded.]
1883. Edward Sims Van Zile.

In 1883 an additional prize was awarded to Henry Ritchie Neely.

LATIN PRIZE.

A Prize of twenty-five dollars will be awarded to that member of the Junior Class who shall sustain the best examination in Crutwell's *History of Roman Literature.* The examination will be held on the 2d of May, 1885.

PRIZE-MEN.

1870. Henry Scudder Wood.
1871. Paul Ziegler.
1873. James David Smyth.
1874. [Not awarded.]
1875. Henry Croves Cameron.
1876. Charles Carroll Edmunds, Jr.
1877. George Sumner Chipman.
1878. Lorin Webster.
1879. Bern Budd Gallaudet.
1880. Charles Wright Freeland.
1881. Charles Anderson Hamilton.
1882. [Not awarded.]
1883. Henry Ritchie Neely.
1884. Robert Thorne.

ORATORICAL PRIZES.

The Students, in continuation of prizes given by the Athenaeum and Parthenon Literary Societies, offer two Medals as prizes for excellence in writing and pronouncing English Orations. Two members of each of the three upper classes, selected after competition, will deliver their orations in public on the 21st of February, 1885, in the presence of a committee of award. A gold medal will be awarded as the first prize, and a silver medal as the second prize.

PRIZE-MEN.

	Gold Medal.	*Silver Medal.*
1869–70.	Arthur Dyer.	Paul Ziegler.
1870–71.	Chauncey Camp Williams.	Alexander Mackay Smith.
1871–72.	Henry Evan Cotton.	James Diggles Hurd.
1873–74	William Jackson Roberts.	Joseph Buffington.
1874–75.	Charles Davies Scudder.	John Huske.
1875–76.	Beverley Ellison Warner.	James Dowdell Stanley.
1876–77.	William Viall Chapin.	Edward Mansfield Scudder.
1877–78.	David Law Fleming.	Robert Lefavour Winkley.
1878–79	David Buchanan Willson.	Melville Knox Bailey.
1879–80.	Thomas Morduit Nelson George.	Harry Campbell Black.
1880–81	Edward Stevens Beach.	Alfred Poole Grint.
1881–82.	Richard Eugene Burton.	Frank Wood Richardson.
1882–83.	[Not awarded.]	[Not awarded.]
1883–84.	Charles McLean Andrews.	Edward Sims Van Zile.

GOODWIN GREEK PRIZES.

Two Prizes, one of thirty-five dollars and one of twenty-five dollars, the gift of Mrs. James Goodwin of Hartford, will be offered to the Freshman Class for the best examinations upon the Iliad, Books xix–xxii and Grote's *History of Greece*, Chapters 16, 17, 20. The examination will be held in April, and no prize will be awarded unless the work offered is excellent.

HONOR-MEN FOR THE YEAR 1883-84.

HONORS IN THE CLASS OF 1884.

Valedictory, ...	HENRY RITCHIE NEELY.
Salutatory, ...	WILLIAM STANLEY BARROWS.
Third Appointment, . . .	JOHN MORGAN BRAINARD.

OTHER SPEAKERS AT COMMENCEMENT.

Charles McLean Andrews, Frank Wood Richardson,
Edgar Lewis Sanford.

TUTTLE PRIZE ESSAY,	Charles McLean Andrews.
CHEMICAL PRIZE ESSAY,	Harwood Huntington.
Second Prize,	William Stanley Barrows.
PRIZE VERSION DECLAMATION,	Frank Wood Richardson.
ENGLISH PRIZE,	Edward Sims Van Zile.
SECOND PRIZE,	Henry Ritchie Neely.
LATIN PRIZE,	Robert Thorne.
GEOMETRY PRIZE,	George Washington Rodgers.
GERMAN PRIZE,	Hiram Benjamin Loomis.
FRENCH PRIZE,	Edward Cullen Niles.
ORATORICAL PRIZES:	
Gold Medal,	Charles McLean Andrews.
Silver Medal,	Edward Sims Van Zile.

SENIORS.

In Mental, Moral, and Political Philosophy, Chemistry and Natural Science, and English;

William Stanley Barrows.

In Mental, Moral, and Political Philosophy, and Chemistry and Natural Science;

John Morgan Brainard.

In Chemistry, Mental Science, and English;

Frank Wood Richardson.

In Mental, Moral, and Political Philosophy, and English;

Henry Ritchie Neely.

In Mental, Moral, and Political Philosophy;

George Heathcote Hills.

In Chemistry and Natural Science;

Harwood Huntington.

In English;

Edward Sims Van Zile.

JUNIORS.

In Astronomy and Physics, Greek, Latin, English, and German;

Hiram Benjamin Loomis, Robert Thorne.

In Greek, Latin, and German;

Samuel Smith Mitchell.

In German;

Sidney Trowbridge Miller.

SOPHOMORES.

In Mathematics and Mechanics, Greek, Latin, English, and French;

Hermann Lilienthal.

In Mathematics and Mechanics, Greek, Latin, and French;

William James Tate.

In Mathematics and Mechanics, English, and French;

Clarence Griffin Child.

In Latin, and French;

Edward Cullen Niles.

In French;

James Goodwin, Henry Reading Heydecker.

In English;

George Emerson Beers.

FRESHMEN.

In Mathematics, Greek, Latin, and English;

Octavius Applegate, Jr.

In Mathematics, and Greek;

William Agur Beardsley.

In Greek, and Latin;

Martyn Kerfoot Coster.

In Greek, and English;

Charles Henry Tibbits, Jr.

In Mathematics;

Charles William Bowman, Strathearn Hendrie,
George Washington Rodgers.

In Greek;

George Calvert Carter.

In English;

Francis Banks Whitcome, George Safford Waters.

DEGREES CONFERRED IN 1884.

The following degrees, having been voted at the annual meeting of the Corporation, held on the 24th day of June, 1884, were duly conferred at the public Commencement on the following day.

BACHELOR OF ARTS, CUM HONORE.

In Mental, Moral, and Political Philosophy, Greek, Chemistry and Natural Science, Mathematics and Physics;

John Morgan Brainard.

In Mental, Moral, and Political Philosophy, Chemistry and Natural Science, Greek and English;

William Stanley Barrows.

In Chemistry and Natural Science, Greek and English;

Frank Wood Richardson.

In Mental, Moral, and Political Philosophy;

George Heathcote Hills.
Henry Ritchie Neely.

In Chemistry and Natural Science;

Harwood Huntington.

In Greek;

Frank Elisha Johnson.

In English;

Edward Sims Van Zile.

BACHELOR OF ARTS, IN COURSE.

Charles McLean Andrews.
Frederick Dashiels Buckley.

William Henry Hitchcock.
George Ernest Magill.
James Frederic Olmsted.
Edward Lawson Purdy.
Edgar Lewis Sanford.

MASTER OF ARTS, IN COURSE.

Of the Class of 1871.

The Rev. Thomas Henry Gordon.

Of the Class of 1872.

James Withers Read.

Of the Class of 1876.

William Converse Skinner.

Of the Class of 1880.

John Chester Barrows.

Of the Class of 1881.

William Timothy Elmer.
The Rev. William Stanley Emery.
The Rev. Charles Wright Freeland.
The Rev. Alfred Poole Grint.
George Sumner Huntington, M.D.
Alexander Taylor Mason, LL.B.
Frank Ebenezer Miller, M.D.
George Bradley Pattison.
George Endicott Perkins.

DOCTOR OF DIVINITY, HONORIS CAUSA.

The Right Rev. HENRY CODMAN POTTER, D.D., LL.D.,
Assistant Bishop of New York.

EXAMINATIONS FOR ADMISSION.

1884.

GREEK.

Decline throughout *δίψα, ἐλπίς, ὅστις.*

Decline through all the genders of the plural the comparative of *μέγας.*

Give the synonsis of the Aor. Act. of *φαίνω.*

2 Aor. Act. of *δίδωμι.*

Inflect (through the persons and numbers) the Pres. Subjunct. Act. of *δηλόω.* Pluperf. Mid. of *δηλόω.*

Give the Imperfect of *ὁράω, ἔχω.*

Translate (Anab. I, 10, 4):

Ἐνταῦθα διέσχον ἀλλήλων βασιλεύς τε καὶ οἱ Ἕλληνες ὡς τριάκοντα στάδια, οἱ μὲν διώκοντες τοὺς καθ' αὑτούς, ὡς πάντας νικῶντες· οἱ δὲ ἁρπάζοντες ὡς ἤδη πάντες νικῶντες. Ἐπεὶ δὲ ἤσθοντο οἱ μὲν Ἕλληνες ὅτι βασιλεὺς σὺν τῷ στρατεύματι ἐν τοῖς σκευοφόροις εἴη, βασιλεὺς δ' αὖ ἤκουσε Τισσαφέρνους ὅτι οἱ Ἕλληνες νικῷεν τὸ καθ' αὑτοὺς καὶ εἰς τὸ πρόσθεν οἴχονται διώκοντες, ἐνταῦθα δὴ βασιλεὺς μὲν ἀθροίζει τε τοὺς ἑαυτοῦ, καὶ συντάττεται· ὁ δὲ Κλέαρχος ἐβουλεύετο Πρόξενον καλέσας, πλησιαίτατος γὰρ ἦν, εἰ πέμποιέν τινας ἢ πάντες ἴοιεν ἐπὶ τὸ στρατόπεδον ἀρήξοντες. Ἐν τούτῳ καὶ βασιλεὺς δῆλος ἦν προσιὼν πάλιν ὡς ἐδόκει ὄπισθεν. Καὶ οἱ μὲν Ἕλληνες συστραφέντες παρεσκευάζοντο ὡς ταύτῃ προσιόντος καὶ δεξόμενοι.

Give the rule for the kind of accent, or the absence of accent, in the case of each word in the phrase *Ἐνταῦθα * * * Ἕλληνες.* Give the parts of *διέσχον, νικῶντες, ἤσθοντο, ἤκουσε.* The rule for the mode in *εἴη.* Explain the use of the participle in *ἀρήξοντες, προσιών.* The construction of *Τισσαφέρνους, προσιόντος.*

Translate (Anab. III. 5, 12):

Ἀκούσασι ταῦτα τοῖς στρατηγοῖς τὸ μὲν ἐνθύμημα χαρίεν ἐδόκει εἶναι, τὸ δὲ ἔργον ἀδύνατον· ἦσαν γὰρ οἱ κωλύσοντες πέραν πολλοὶ ἱππεῖς, οἱ εὐθὺς τοῖς πρώτοις οὐδὲν ἂν ἐπέτρεπον τούτων ποιεῖν. Ἐνταῦθα τὴν μὲν ὑστεραίαν ἐπανεχώρουν εἰς τοὔμπαλιν πρὸς Βαβυλῶνα εἰς τὰς ἀκαύστους κώμας, κατακαύσαντες, ἐνθεν ἐξῆσαν. ὥστε οἱ πολέμιοι οὐ προσήλαυνον, ἀλλὰ ἐθεῶντο καὶ ὁμοιοι ἦσαν θαυμάζειν ὅποι ποτὲ τρέψονται οἱ Ἕλληνες καὶ τί ἐν νῷ ἔχοιεν. Ἐνταῦθα οἱ μὲν ἄλλοι στρατιῶται ἀμφὶ τὰ ἐπιτήδεια ἦσαν· οἱ δὲ στρατηγοὶ καὶ οἱ λοχαγοὶ πάλιν συνῆλθον, καὶ συναγαγόντες τοὺς αἰχμαλώτους ἠλεγχον τὴν κύκλῳ πᾶσαν χώραν τίς ἑκάστη εἴη.

Where are the following forms made, and from what presents: *κατακαύσαντες, ἐξῆεσαν, συναγαγόντες*? What is referred to in *ἐνθύμημα*? The date and object of the expedition described in the Anabasis.

Translate into Greek:

After this he called together the same soldiers and the captains (*λοχαγός*) themselves and said: Let us not go against the enemy, while the omens (*τὰ ἱερά*) are unfavorable (*κακός*); for, as I learn, there is a large river to be crossed. And this river we could cross, if we had boats (*πλοῖον*). But as it is (*νῦν δέ*) we ought to take our arms (*ὅπλον*) and flee.

History.

Give the date of the first Olympiad, the institution of Annual Archons at Athens, the expulsion of Hippias, the death of Socrates, the battle of Cheroneia. Describe the condition of the common people of Attica in the time of Solon. Mention the principal reforms instituted by Cleisthenes. Describe the characters and policies of Themistocles and Aristides. What complaints were brought against Athens by her allies in the time of Pericles? What were the terms of the peace of Antalcidas?

LATIN.

I. Caesar.

Translate:

Caesar, necessariis rebus imperatis, ad cohortandos milites quam in partem fors obtulit decucurrit, et ad legionem decimam devenit. Milites non longiore oratione cohortatus quam uti suae pristinae virtutis memoriam retinerent, neu perturbarentur animo, hostiumque impetum fortiter sustinerent, quod non longius hostes aberant quam quo telum adici posset, proelii committendi signum dedit.

Explain the cases of *rebus, fors, oratione, animo, impetum,* declining each word throughout. Give the principal parts of each verb before the word *neu,* marking the quantity of the penults. Give the synopsis of *do.*

Write a brief outline of the second book of the Gallic War.

II. Virgil.

Translate:

Jamque propinquabant scopulo metamque tenebant,
Cum princeps medioque Gyas in gurgite victor
Rectorem navis compellat voce Menoeten:
"Quo tantum mihi dexter abis? Huc dirige gressum;
Litus ama, et laevas stringat sine palmula cautes;
Altum alii teneant." Dixit; sed coeca Menoetes
Saxa timens proram pelagi detorquet ad undas.
"Quo diversus abis?" Iterum "Pete saxa, Menoete!"

Give a brief account of the scene of which these verses describe a part.

Mark the scansion of the first three verses, noting the caesura in each case and distinguishing the kinds of caesura. Give the rule for the quantity of final *a*, and the principal exceptions.

III. Cicero.

Translate:

Quotiens ego hunc Archaim, judices—utar enim vestra benignitate, quoniam me in hoc novo genere dicendi tam diligenter attenditis,—quotiens ego hunc vidi, cum litteram scripsisset nullam, magnum numerum optimorum versuum de ipsis rebus quae tum agerentur dicere ex tempore! Quotiens revocatum eandem rem dicere, commutatis verbis atque sententiis! Quae vero adcurate cogitateque scripsisset, ea sic vidi probari ut ad veterum scriptorum laudem perveniret.

Give the syntax of each verb in this passage, explaining all the subjunctives. Give the comparison of *optimus, magnus, vetus, adcurate.*

Give an account of the uses of the infinitive mood and of the supines. When is *cum* followed by the subjunctive mood?

IV. Extempore Translation.

Translate:

Denique, Quirites, quoniam me quatuor omnino genera hominum violarunt, sic ulciscar genera singula, quemadmodum a quibusque sum provocatus: malos cives, rempublicam bene gerendo; perfidos amicos, nihil credendo et omnia cavendo; invidos, virtute et gloriae serviendo; mercatores provinciarum, revocando domum atque ab iis provinciarum rationem repetendo. Quamquam mihi majori curae est quem ad modum quidem vobis, qui de me estis optime meriti, gratiam referam.

Give the English words which are derived from words in the first four lines.

Translate:

Tunc vero exterritus, amens
Conclamat Nisus; nec se celare tenebris
Amplius, aut tantum potuit perferre dolorem:
"Me, me—adsum qui feci—in me convertite ferrum;
O Rutuli, mea fraus omnis; nihil iste nec ausus
Nec potuit; caelum hoc et conscia sidera testor;
Tantum infelicem nimium dilexit amicum."

V. Latin Composition.

Translate:

Caesar, when he received this reply, sent ambassadors again to Ariovistus to speak in these words: "I ask two things of you: first, that

you will not lead any body of men across the Rhine into Gaul; secondly, that you will return the hostages which were given to you six months ago. If you had done this of your own accord, you would have aided me very much, and gained the favor and friendship of the Roman people; and even now, it will be wise for you to do what we wish."

VI. HISTORY AND GEOGRAPHY.

1. Name the seven kings of Rome, and the first six Caesars. 2. What were the duties of consuls, of dictators, and of tribunes? 3. What were the plans of the Gracchi, and what did they accomplish? 4. Give an account of the battle at Pharsalia and the events that followed it. 5. Give an account of the reign of Nero.

1. Give a general description of the northern half of Italy. 2. Mention some of the important cities of Campania and of Magna Graecia. 3. Describe the position of some of the important islands in the Aegaean Sea. 4. Where were the Anio, the Aufidus, the Liris?

MATHEMATICS.

ARITHMETIC.

1. Add together $\frac{1}{3}$ of $\frac{2\frac{1}{4}}{7\frac{1}{11}}$ and $\frac{1\frac{3}{7}}{9\frac{5}{2}}$ divide the sum by $4\frac{3}{8}$, reduce the quotient to a decimal, and find the square root of the result within .001.
2. Find what sum, drawing simple interest at five per cent. from July 1, 1884, will amount to $113.74, April 1, 1887.
3. What is the Metric System? What is a meter? An are? A liter? A gram? Give the table of metric measures of capacity. How many yards equal one kilometer?

ALGEBRA.

Simplify:

1. $\{(3a - 2b) + (4c - a)\} - \{a - (2b - 3a) - c\} + a - \{b - (5c - a)\}$.
2. $(x - 1)(x - 2) - 3x(x + 3) + 2\{(x + 2)(x + 1) - 3\}$.
3. $2\sqrt[3]{40} + 3\sqrt[3]{108} + \sqrt[3]{500} - \sqrt[3]{320}$.

Resolve into factors:

4. $x^2 - y^2 - ax + ay$.
5. $m^6 - n^6$.
6. $y^2 - 17y + 16$.
7. $aby^2 - axy + bxy - x^2$.

Solve:

8. $\begin{cases} 5y + 3x - 6z = 4. \\ 3y - x + 2z = 8. \\ y - 2x + 2z = 2. \end{cases}$

9. $\begin{cases} x + y = 13. \\ x^2 + y^2 + 4y = 109. \end{cases}$
10. Derive a formula for the sum of n terms of an arithmetical progression.
11. What is the price of pens per dozen when the number of dimes paid for a gross equals the number of pens bought for a dime?
12. What axiom is the basis of the rule for transposition in the solution of equations?

GEOMETRY.

1. Any side of a triangle is less than the sum and greater than the difference of the other two sides.
2. The sum of the three angles of a triangle is equal to two right angles.
3. The diagonals of a parallelogram bisect each other.
4. An inscribed angle is measured by one-half of the arc intercepted between its sides.
5. If two chords intersect in a circle, their segments are reciprocally proportional.
6. [Problem.] To divide a given straight line in extreme and mean ratio.
7. Two similar polygons are to each other as the squares on any two homologous sides.

ENGLISH.

A. Write an essay, two pages of foolscap long, on one of the following subjects, giving attention to spelling, punctuation, grammar, division by paragraphs, and rhetorical expression:

1. The character of *Casca* in Shakespeare's *Julius Caesar.*
2. Irving's description of English Country Life.
3. The account of Addison in *Henry Esmond.*

B. Criticize and correct the following passages:

1. The speaker said that he rose to wholly repudiate the idea that either of the gentlemen were removed from office because of their liberality towards landlords. 2. As we heard his words, we seemed to be having expanded before us the action of a mind which had run in a groove till it was cut adrift from all earnest convictions. 3. We will talk the matter over, and if we be of one mind, as I think we will be, our cause shall succeed. 4. This is the man whom I know was present in the garden and said he never remembered to have seen flowers which looked as prettily as yours. 5. The king with his sons were there, for the senate had decreed a separate triumph to all of them. 6. I should have been glad to have seen this sight, for I enjoy those sort of things.

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